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| X16B SAFETY CHECKLIST | | | BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE |
| Rev: A | Effective: 6/12/06 | Page 1 of 1 | Number: LS-SCL-0035 |
| Reviewed by: Thomas McDonald | | Reviewed by: | Approved by: A. Ackerman |

Original signatures on file.

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- ☐ 1. Valid Padlock Index and log, no locks open
- ☐ 2. Exclusion Zone (EZ # 1) in place and secure.
- ☐ 3. Bremsstrahlung Shielding (BS # 1) banded and secure.
- ☐ 4. Exclusion Zone (EZ # 2) in place and secure from BS # 1 to EZ # 3.
- ☐ 5. Exclusion Zone (EZ # 3) in place and secure.
- ☐ 6. Bremsstrahlung Shielding (BS # 2) banded and secure.
- ☐ 7. View ports (5) covered with lead plates.
- ☐ 8. Exclusion Zone (EZ # 4) in place and secure.
- ☐ 9. Bremsstrahlung Shielding (BS # 3) banded and secure.
- ☐ 10. Exclusion Zone (EZ # 5) in place and secure.
- ☐ 11. Exclusion Zone (EZ # 6) in place and secure just upstream of X16C hutch.
- ☐ 12. Exclusion Zone (EZ # 7) in place and secure inside X16C hutch
- ☐ 13. Bremsstrahlung Shielding (BS # 4) in place and secure.
- ☐ 14. Exclusion Zone (EZ # 8) in place and secure from BS #4 to BS #5.
- ☐ 15. Bremsstrahlung Shielding (BS # 5) banded and secure.
- ☐ 16. Exclusion Zone (EZ # 9) in place and secure.
- ☐ 17. Exclusion Zone (EZ # 10) in place and secure.
- ☐ 18. View port covered with leaded glass.
- ☐ 19. Scatter shielding on beamline components as per photo.
- ☐ 20. Exclusion Zone (EZ # 11) in place and secure.
- ☐ 21. Bremsstrahlung Shielding (BS # 6) banded and secure.

User System Checks

- ☐ A. Water is flowing to all water-cooled components (6 green lights on user interlock panel)
- ☐ B. Adequate vacuum throughout beamline (1 green light on user interlock panel)

Checked by: _____

OPCO: _____